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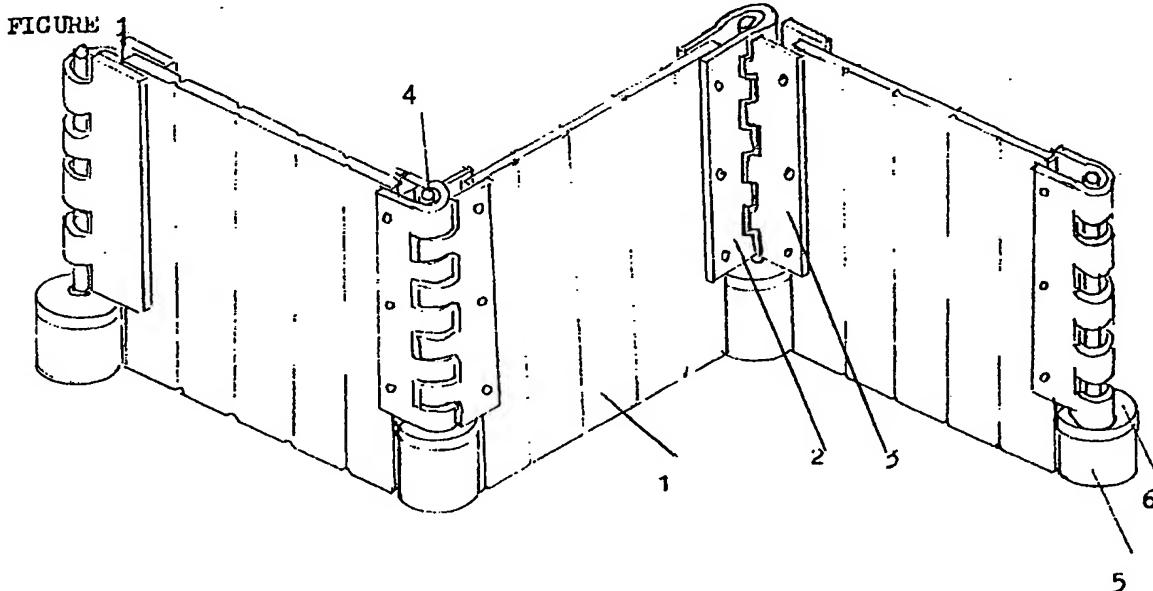
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E1D DDP2 DLEKMNV D155 D194 D2036 D2143

(56) Documents cited
GB 1329411 A US 4930753 A US 4685656 A
US 4498660 A

(58) Field of search
UK CL (Edition L) E1D DF155 DF194 DLCKM
DLCKN DLEKMNV DLEKMNW DLEKMSV
DLEKMSW DLEKN, E1G GLJ
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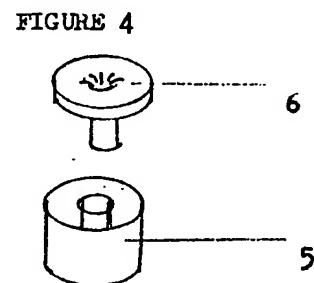
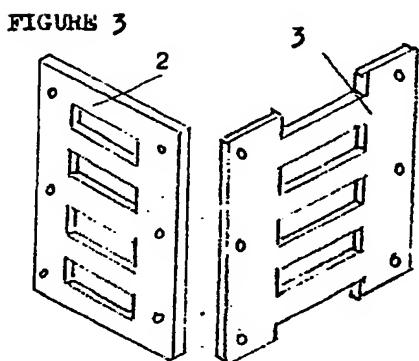
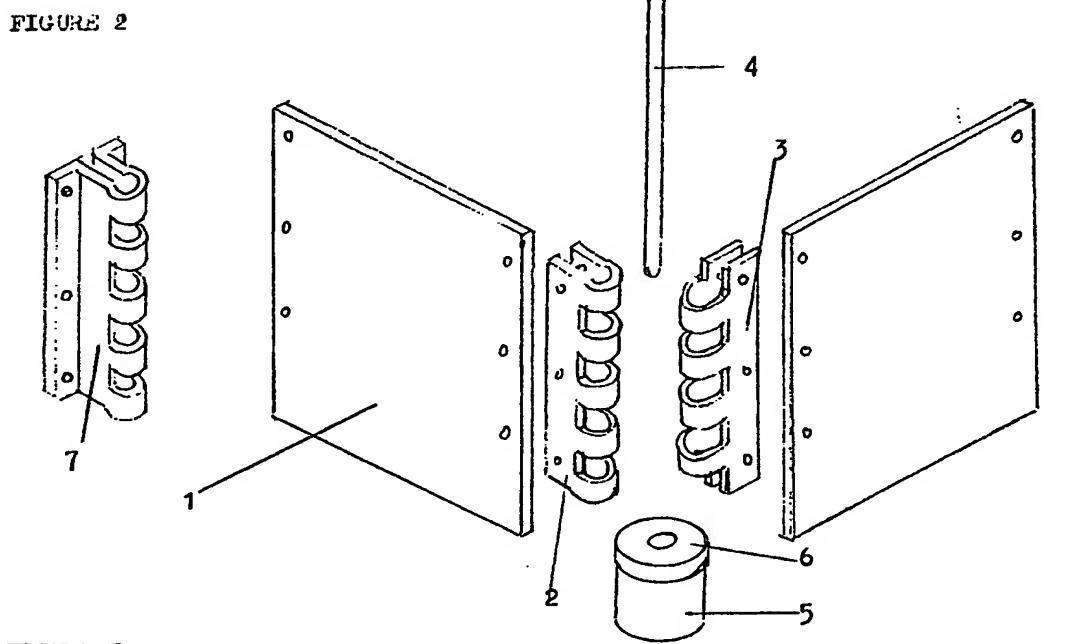
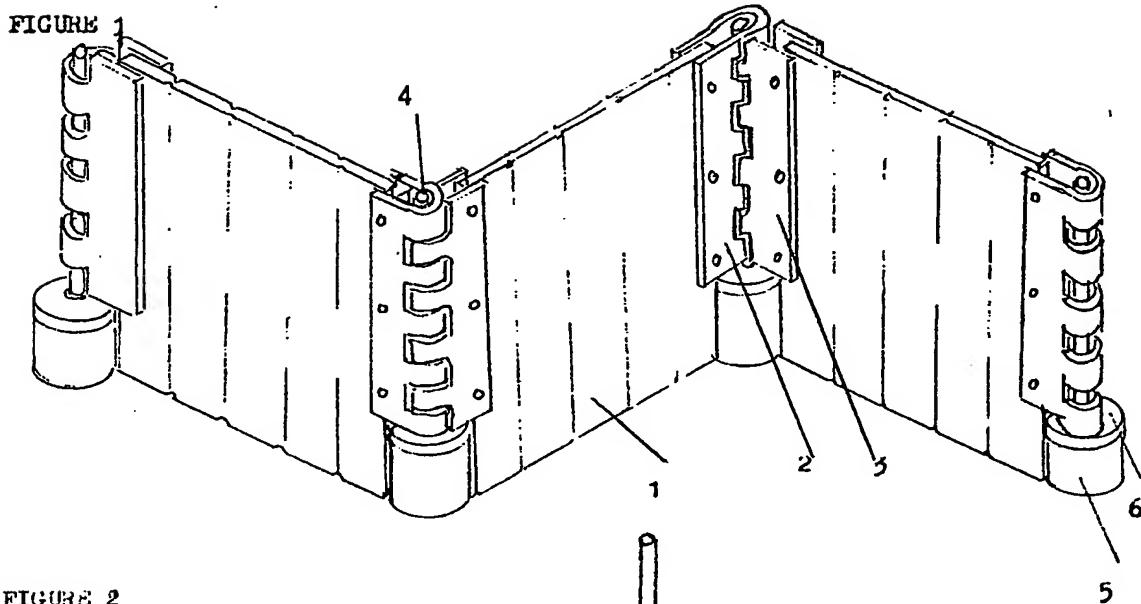
(54) Moveable screening

(57) Moveable screening comprises rigid sheets 1 with interlinkable end fittings 2, 3 held together by means of a link pin 4 passed through them into the hollow centre pillar of a base with lid containing weighting material. The end fittings are arranged so that any number of screens may be linked together to provide the required degree of protection. A flanged end fitting is provided for the attachment to a flat surface such as a wall should this be desirable.



The claims were filed later than the filing date within the period prescribed by Rule 25(1) of the Patents Rules 1990.

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MOVEABLE SCREENING

An invention for free standing screening which is easy to assemble and disassemble for repositioning or storage.

Fencing is usually used to define boundaries but does not always give protection or shelter from the weather or the required degree of privacy, merely on account of its necessary position. Permanent screening is not always desirable as it may permanently detract from a view and does not take into account the shifts in wind direction. It can also be costly to both erect and maintain, as is building site screening which is difficult to dismantle and often not reusable.

This invention provides rigid sheets of screening which when fitted with ridged moulded end pieces can be linked together in unlimited number, secured by a centre pin passed through the end pieces into a weighted cylindrical base. The whole can be folded, moved, disassembled or packed flat for storage as required, and will provide protection from view, the prevailing wind or can be used for display purposes, dependent on density of materials used.

A specific embodiment of the invention will now be described with reference to the accompanying drawing in which :-

Figure 1 shows isometrically, three screens with end pieces fitted, linked together by securing pins passing through the end fittings into the cylindrical weighted bases. These screens show surface texture.

Figure 2 shows an exploded view of the component parts before assembly; shown here the screens are without surface texture of any kind. Figure 3 indicates the shape of the end fittings prior to moulding.

All screw / bolt positions are shown in figures 1, 2 and 3.

Figure 4 shows the base used for weighting with the lid removed.

Referring to the drawing , a length of screening is assembled in the following manner:-

An end fitting piece 2 is secured to the right hand side of each screen to be used by placing the fitting over the end of the screen so that the screw / bolt holes in the screen and end fitting are aligned. They are then screwed or bolted firmly in place. An end fitting piece 3 is then fitted to the left hand side of each screen 1 in the same manner. Not shown.

The bottom of the base 5 , which is a moulded empty cylinder with a hollow centre pillar, is then filled with a suitable weighting material , such as sand or water. The base lid 6 is then placed on the base 5 so that the hollow centre pillar of the base lid fits in side the hollow centre pillar of the base.

Align the left hand side of the first screen 1 so that the end fitting 3 is above the weighted base 5 with lid 6 in place. Insert link pin 4 through the end fitting 3 and into the hollow centre of base components 5 and 6.

Slot end fitting piece 3 of the second screen into the cut outs of end fitting piece 2 of the first screen. Align over a second weightd base and secure in position by passing a second link pin 4 through linked end pieces into second weighted base.

After linking left hand side of last screen to the previous one, complete assembly by passing a link pin 4 through the right hand end fitiing of last screen into the last weighted base.

Screens can easily be disassembled by removing the link pins, although some folding movement may be achieved by simply pushing them , dependent on density of weighting material chosen.

Extra stability can be obtained in very adverse weather conditions by use of a wall mounting bracket 7, which resembles end fitting 2 but has flanges at right angles to allow bolting or screwing to a flat surface.A locking pin (not shown) may be fitted through end fitting pieces and link pin where the screening is used for security purposes.

CLAIMS

1. A moveable form of screening / fencing consisting of a rigid screen with end adaptors enabling it to be linked to further screens using a linking pin and weighted base.
2. A moveable screen as in 1 where moulded end pieces are attached using bolts or screws enabling it to be linked to further screens.
3. Screens as in 1 and 2 with interlinking end fittings through which a link pin is fitted.
4. Screens as in 1 , 2 , and 3 where the link pin is passed through the interlinked end fittings into a weighted base.
5. A weighted base as in 4 which has a central hole into which the link pin can be placed.
6. A weighted base as in 4 and 5 which consists of a moulded cylinder with hollow centre pillar and a lid with a hollow centre pillar which fits inside the pillar in the base.
7. A weighted base as in 4 , 5 and 6 into which weighting material may be placed and the lid fitted in position.
8. A wall mounting fitting which consists of end fittings as in claims 2 and 3 but provided with an angled flange to allow fixing to a flat surface for extra stability if required.
9. A form of moveable screening as described above with reference to figures 1 - 4 of the accompanying drawing.

Examiner's report to the Comptroller under
Section 17 (The Search Report)

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GB 9212520.2

Relevant Technical fields	Search Examiner
(i) UK CI (Edition L) E1D DF155, DF194, DLCKM, DLCKN DLEKMNV, DLEKMNW, DLEKMSV, DLEKMSW, DLEKN E1G GLJ (ii) Int CI (Edition 5) EO4H EO1F	J D CANTRELL
Databases (see over)	Date of Search
(i) UK Patent Office (ii)	6 APRIL 1993

Documents considered relevant following a search in respect of claims 1-9

Category (see over)	Identity of document and relevant passages	Relevant to claim(s)
X	GB 1329411 (ELLIS)	1
X	US 4930753 (ALVYN)	1,3
X	US 4685656 (LEE)	1,3,4
X	US 4498660 (BREMA (Column 4, lines 8-11))	1,3,4



Category	Identify of document and relevant passages	Relevant to claim(s)

Categories of documents

X: Document indicating lack of novelty or of inventive step.

Y: Document indicating lack of inventive step if combined with one or more other documents of the same category.

A: Document indicating technological background and/or state of the art.

P: Document published on or after the declared priority date but before the filing date of the present application.

E: Patent document published on or after, but with priority date earlier than, the filing date of the present application.

&: Member of the same patent family, corresponding document.

Databases: The UK Patent Office database comprises classified collections of GB, EP, WO and US patent specifications as outlined periodically in the Official Journal (Patents). The on-line databases considered for search are also listed periodically in the Official Journal (Patents).